

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5643061".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:03
L2	136	"4141180"   "4519168"   "5205082"   "5423558"   "5527209").PN. OR ("5643061").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 09:03
L3	46	l2 and gap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:04
L4	6	((MASAMITSU) near2 (KITAHASHI)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 09:05
L5	5	((TOSHIYUKI) near2 (KAMEI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 09:05
L6	34	((HIDETOSHI) near2 (TAKEDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 09:05
L7	82	((HIROYUKI) near2 (TOKUNAGA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 09:05
L8	2	((TOMOAKI) near2 (TAJIRI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 09:05
L9	124	l4 l5 l6 l7 l8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:06
L10	11	l9 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:06

L11	7	l10 and gap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:06
L12	0	(retaining adj ring) with maintain\$4 with gap with perpendicular with parallel with chuck with shaft with reciprocat\$4 with mov\$4	US-PGPUB	OR	ON	2008/12/09 09:08

12/ 9/ 08 9:08:35 AM

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retaining ring oscillates vert relative to chuck, but maintains distance between ring and  
chuck.wsp